

STATE BOARD OF HEALTH

INDIANAPOLIS

LUPP

OFFICE MEMORANDUM

DATE: May 10, 1978

TO: Lane Renovation Project
(McKinley Thompson Site),
Marion County

FROM: Dan Magoun *DM*

THRU: David D. Lamm *DL*
George Oliver *GO*

SUBJECT: Request for Additional Sludge Disposal

EPA Region 5 Records Ctr.



321241

On May 3, 1978, I met with Mr. Jack Lane, Lane Restoration, Inc., at the Lane Renovation Project on Harding Street to discuss what progress had been made to comply with the existing sludge disposal approval, its handling problems, and use of additional sludge.

In walking the Phase II area the following items were observed:

1. The entire Phase II has been recontoured and a base layer of fly ash applied with the exception of the southern boundry (cliff).
2. The diversion berm has been constructed and is functional. It appears to be adequate in diverting surface water to a sediment pond on the southeast portion of the site.
3. The stockpiled sludge from Lagoons 1 and 2 is being reworked to recontour and eliminate any ponding of water.
4. The sludge is still somewhat difficult to work. As a consequence, a rental dozer is on-site to pull the working dozer free whenever it becomes stuck in the sludge (which did occur once while I was on-site).
5. Only one small area showed signs of continued underground burning.
6. The site has been maintained almost litter free. Even the entrance area has been routinely policed to clean after promiscuous dumpers.

It did appear that Mr. Lane was doing all that could be done to properly comply with his proposal and approval letter. Certain problems have been encountered which have prohibited proper compliance and they are the following:

1. Sludge when deposited on the site was not as workable as initially anticipated. Combined with the severe winter the sludge was either frozen or too wet and was impossible to be worked and spread by the equipment on-site.

2. The quantity of sludge from the first two lagoons was not sufficient to bring the phase II area up to proposed grade. As a consequence, proper contouring to comply with the proposal cannot be obtained. In addition, surface drainage cannot properly be diverted.

While on-site Mr. Lane handed to me a request to dispose of additional sludge from Lagoons 3, 4, 5, 7, 8, 9 and 10. He explained that the additional quantity of sludge would be sufficient to bring the site into compliance with proposed grades. However, upon questioning him about the spreadability of the additional sludge, he indicated that he was not certain but believed the new sludge would probably be as difficult to spread as the first due to its wetness. He further explained that this sludge would contain more clay as the clay liners of the lagoons are to be removed also and combined with the dry summer weather the sludge should dry more rapidly, thus, the material would be more workable.

I also questioned his capability to apply a daily fly ash cover to the new material. He stated that in view of the problems encountered with the first sludge he doubted if daily cover could be accomplished. In addition, the quantity of fly ash available during the summer months is much less than the fall and winter. As a consequence, a suitable amount of fly ash would not be available for daily cover.

In view of what has been accomplished at the site and with the fire almost extinguished, the McKinley Thompson Demo Site has already been vastly improved in appearance. However, much more recontouring must be accomplished to finish the site. Considering the leachate analysis of the sludge composite samples from the additional lagoons and the continued upgrading this project would have on this old community eyesore, I would like to suggest that the additional sludge proposal be approved with the following conditions:

1. That the additional sludge be deposited and worked in a manner that will not impair the existing surface water diversion system.
2. That all sludge deposited be properly contoured and prepared for fly ash cover by October 1, 1978.
3. That the entire Phase II area be final covered and contoured with the lime-fly ash mixture no later than January 1, 1979.

DM/ds